

Listing of Claims

1-10. (cancelled)

11. (currently amended) An inkjet printhead comprising:

a substrate;

a heating layer disposed on the substrate to dispense liquid;

a conductive layer disposed on the substrate to conduct a current to the heating layer, wherein the conductive layer comprises a stepped portion used as a heating area, wherein the heating area is defined by the conductive layer and the heating layer;

a polymer disposed on the substrate;

a porous material disposed on the polymer, wherein the porous material is substantially parallel with the heating area; and

a chamber, formed by the polymer and porous material, having a first side and a second side, wherein the first side is overlapped with the heating area, the second side is connected to the first side, and the chamber is formed with an exit, from which the liquid is dispensed, on the second side, and the liquid flows into the chamber through the porous material.

12. (currently amended) The inkjet printhead as claimed in claim 11, wherein the chamber polymer is light-sensitive polymer.

13-14. (cancelled)

15. (original) The inkjet printhead as claimed in claim 11, further comprising a nozzle plate disposed on the second side of the chamber.

16-18. (cancelled)

19. (currently amended) An inkjet printhead comprising:

a substrate;

a heating layer disposed on the substrate to dispense liquid;

a conductive layer disposed to conduct a current to the heating layer, wherein the conductive layer comprises a stepped portion used as a heating area, wherein the heating area is defined by the conductive layer and the heating layer;

an adhesive layer disposed on the conductive layer;

a porous material, disposed on the substrate, including a chamber, wherein the liquid flows to the chamber through the porous material, the chamber has a first side and a second side, the first side is overlapped with the heating area so that the liquid in the chamber is located above the heating area, and the second side is connected to the first side; and

a nozzle plate, disposed on the second side of the chamber, including at least one orifice, wherein the nozzle plate abuts the porous material.

20. (currently amended) An inkjet printhead comprising:

a substrate;

a heating layer disposed on the substrate to dispense liquid;

a conductive layer disposed on the substrate to conduct a current to the heating layer, wherein the conductive layer comprises a stepped portion used as a heating area, wherein the heating area is defined by the conductive layer and the heating layer;

a metallic layer disposed on the substrate;

a porous material disposed on the metallic layer, wherein the porous material is substantially parallel with the metallic layer; and

a chamber, formed by the metallic layer and porous material, having a first side and a second side, wherein the first side is overlapped with the heating area, the second side is connected to the first side, and the chamber is formed with an exit, from which the liquid is dispensed, on the second side, and the liquid flows into the chamber through the porous material.

21. (previously presented) The inkjet printhead as claimed in claim 20, further comprising an adhesive layer disposed between the metallic layer and the porous material.

22. (new) The inkjet printhead as claimed in claim 20, wherein the porous material is substantially parallel with the first side of the chamber.

23. (new) The inkjet printhead as claimed in claim 22, wherein the first side is substantially perpendicular to the second side so that the porous material is substantially perpendicular to the exit.

24. (new) The inkjet printhead as claimed in claim 11, wherein the porous material is substantially parallel with the first side of the chamber.

25. (new) The inkjet printhead as claimed in claim 24, wherein the first side is substantially perpendicular to the second side so that the porous material is substantially perpendicular to the exit.